

Fig.1

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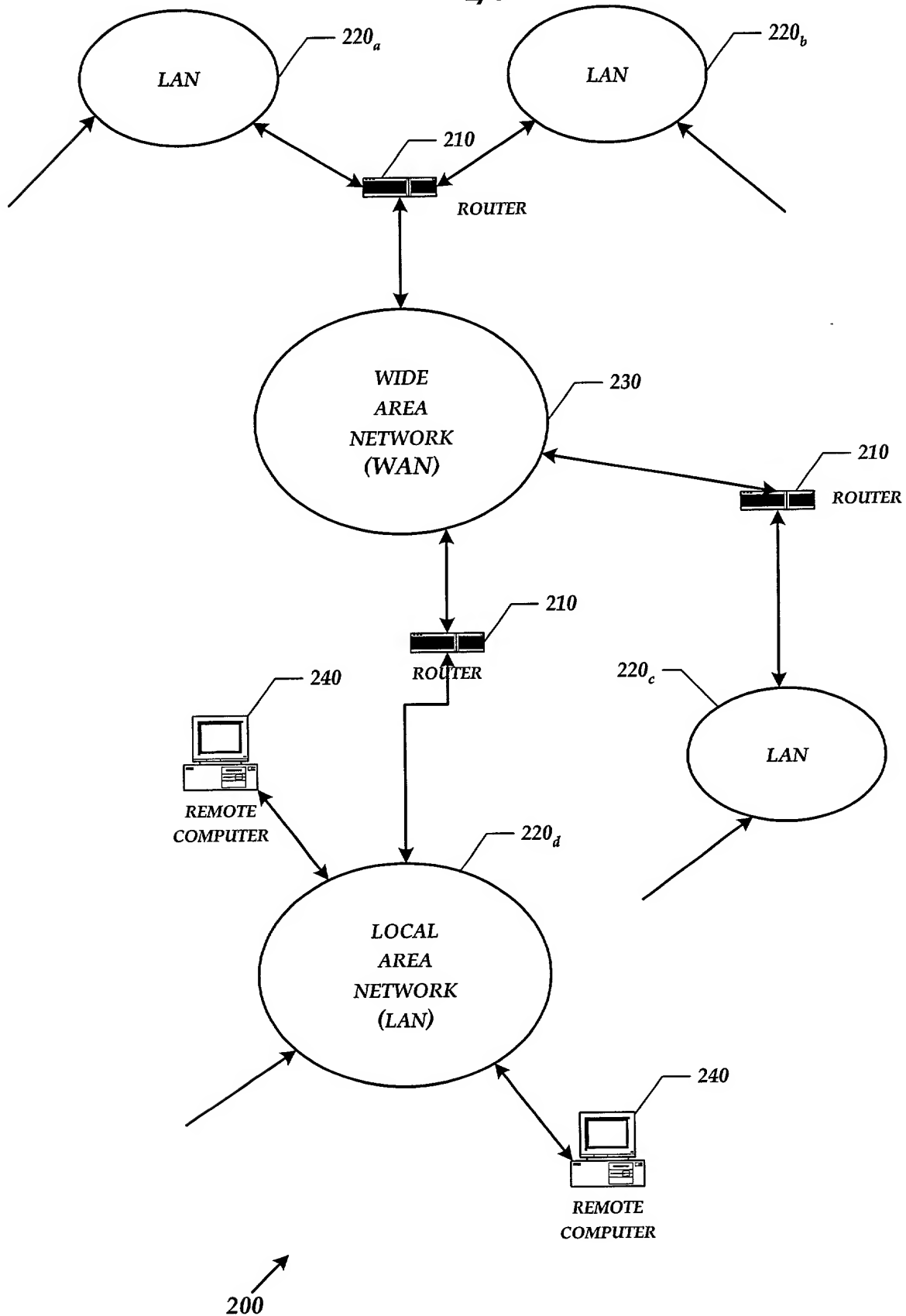
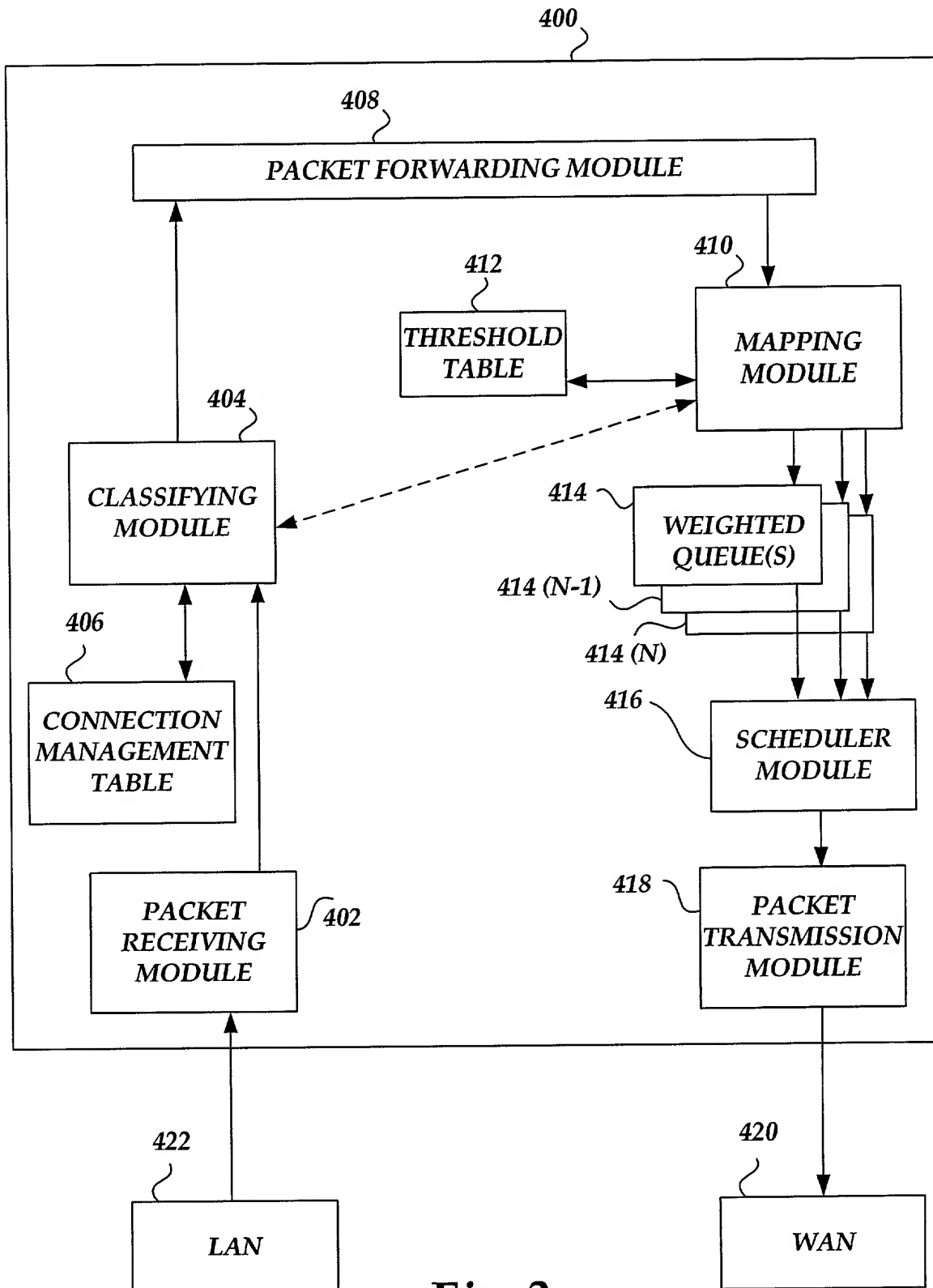
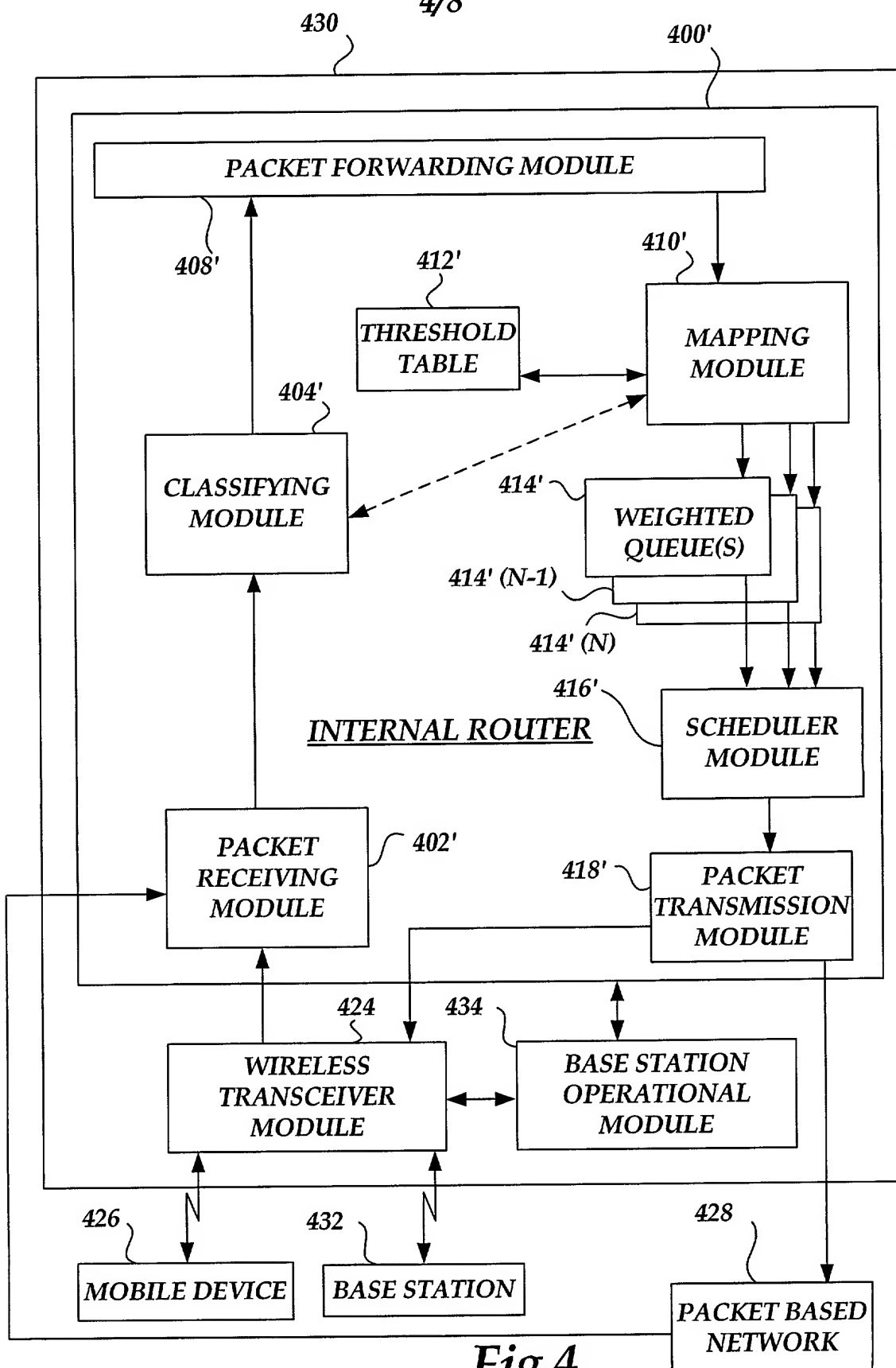


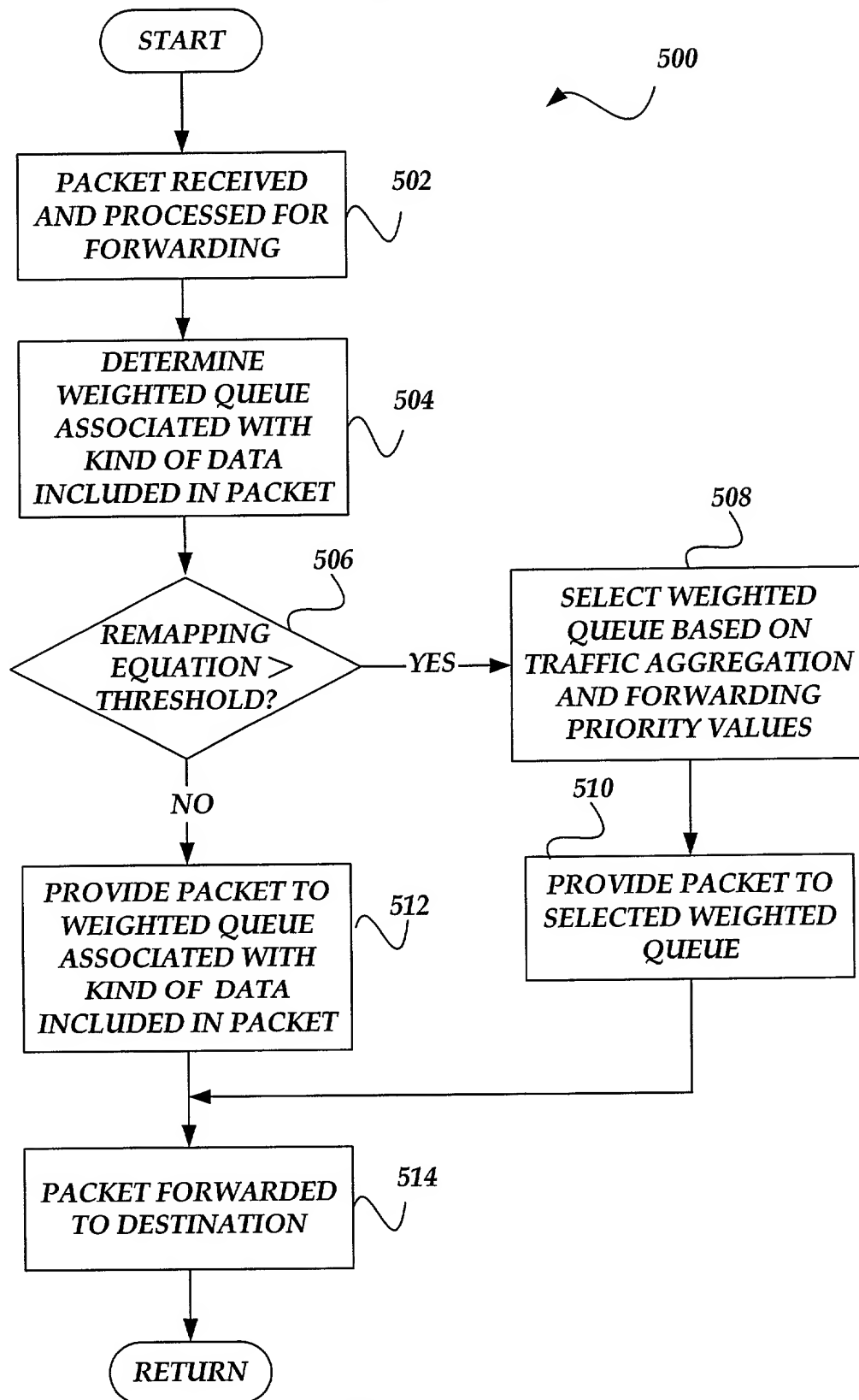
Fig.2



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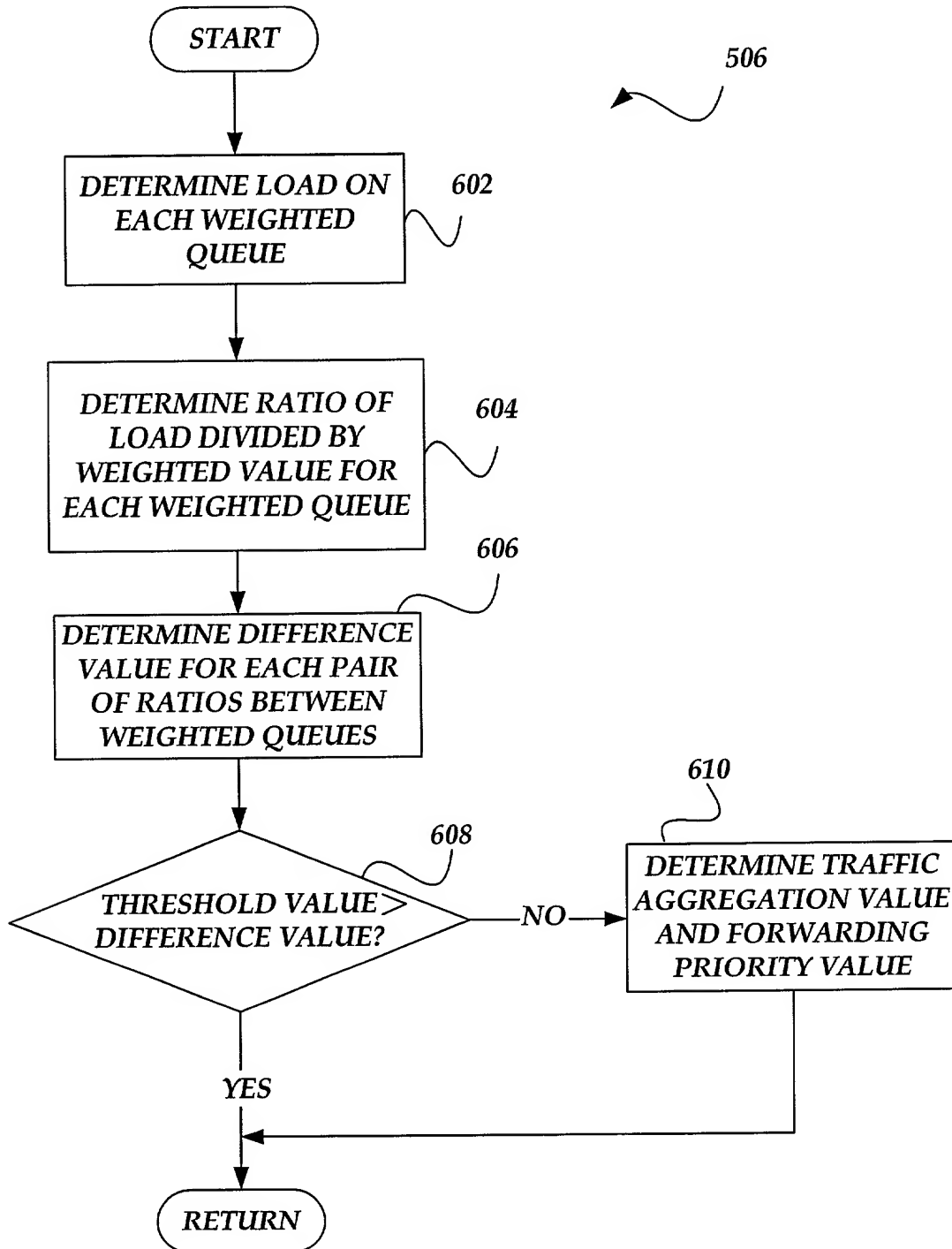



Fig.6

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IF $\frac{L_1}{w_1} - \frac{L_2}{w_2} > R_{\text{threshold}}$ *THEN* 

IF (T(X) = 1 AND F(X) = 2) THEN

MAP THE PACKET TO QUEUE 1

ELSE

MAP THE PACKET TO QUEUE 2

REMAPPING EQUATION 1

Fig. 7

800

<u>SYMBOL</u>	<u>NAME</u>	<u>COMMENT</u>
L ₁	LOAD IN QUEUE 1	
L ₂	LOAD IN QUEUE 2	
w ₁	WEIGHT FOR QUEUE 1	
w ₂	WEIGHT FOR QUEUE 2	
R _{threshold}	REMAPPING THRESHOLD	CONFIGURATION VALUE, GREATER THAN ZERO
T(X)	TRAFFIC AGGREGATE TYPE OF PACKET X	WHEN T(X) = 1, PACKET X IS MAPPED TO QUEUE 1; WHEN T(X) = 2, PACKET X IS MAPPED TO QUEUE 2
F(X)	FORWARDING PRIORITY OF PACKET X	WHEN F(X) = 1, PACKET X HAS HIGH FORWARDING PRIORITY; WHEN F(X) = 2, PACKET X HAS LOW FORWARDING PRIORITY

Fig. 8